

# OptiSheath® MDU Splitter Terminal

CORNING

## Features and Benefits

### Indoor and outdoor rated

Variety of deployment options

### Four to 32 ports in a single, low-profile footprint

Aesthetically pleasing

### Preterminated pigtails

Simplifies splicing of drop cables

### Built-in mounting provisions for interior and exterior surfaces, including siding

Ease of deployment

## Standards

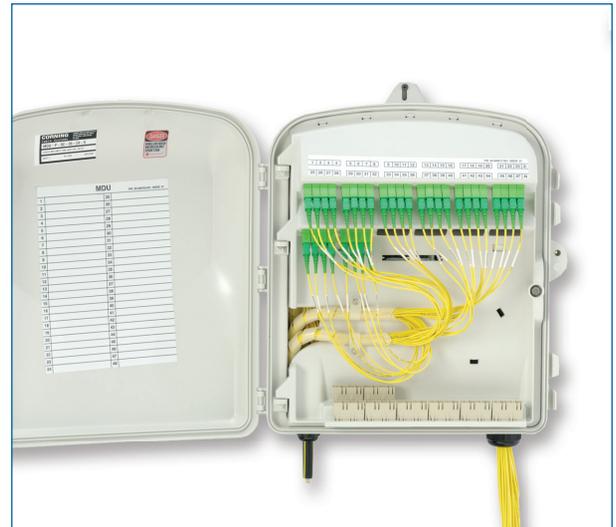
Design and Test Criteria	Modules meet applicable sections of GR-1209-CORE and GR-1221-CORE and each module features connectorized inputs and outputs
Approvals and Listings	UL-Listed
Telcordia - Meets	Terminals meet applicable sections of Telcordia GR-771

The OptiSheath® MDU Splitter Terminal is a rugged, low-cost, low-profile interconnect between the central office feed and the indoor/outdoor drop cables for multidwelling unit applications. It simplifies the MDU installation by reducing the materials, complexity and space required to turn up service. A single housing combines the functionality of a local convergence cabinet with an MDU terminal.

The multilayer design allows installers to access only the components necessary for initial installation or subscriber turn-up, while a protected layer houses the splitter module and allows for pigtail splicing of distribution/drop cables as needed. 1x4, 1x8 and 1x32 splitters are available, as well as dual 1x4, dual 1x8 and dual 1x16 splitters. Integrated parking with pre-routed splitter legs are parked in place by the factory. All splitter modules are compatible and interchangeable with all OptiTect® Local Convergence Cabinets, Gen III Series and the Eclipse® Hardware family.



OptiSheath MDU Splitter Terminal  
| Photo SHD212



OptiSheath MDU Splitter Terminal,  
Connector Panel | Photo SHD213

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OptiSheath MDU Splitter Terminal, Splice Compartment | Photo SHD214



OptiSheath MDU Splitter Terminal, Standard Splitter Module Configuration | Photo SHD215

## Specifications

Weight	3 kg (6.5 lb)
Dimensions (HxWxD)	41.4 cm x 37.1 cm x 15.2 cm (16.29 in x 14.59 in x 6.0 in)
Subscriber Connection	4, 8, 16 or 32
Door	Single-hinged door
Connectors	SC APC
Feeder Cable Type	Stubbed with FREEDM® Loose Tube Indoor/Outdoor Cable, 4-Fiber
Drop Connection	Splice-in drops to preconnectorized distribution
Maximum Number of Splitter Inputs	4
Color	Almond
Mounting Type	Wall-Mountable

### 1x32 Splitter Module

Module Size	63 mm x 23 mm x 125 mm
Insertion Loss, Typical	15.70 dB
Insertion Loss, Maximum	17.10 dB
Return Loss	> 55 dB
Wavelength Range	1260-1360 and 1480-1625 nm

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## 1x32 Splitter Module

Uniformity	1.5
Directivity	> 55 dB
PDL	0.3

## Dual 1x16 Splitter Modules

Module Size	63 mm x 23 mm x 125 mm
Insertion Loss, Typical	12.90 dB
Insertion Loss, Maximum	14.00 dB
Return Loss	> 55 dB
Wavelength Range	1260-1360 and 1480-1625 nm
Uniformity	1.2
Directivity	> 55 dB
PDL	0.3

## 1x4 and Dual 1x4 Slim Splitter Modules

Module Size	63 mm x 11.5 mm x 125 mm
Insertion Loss, Typical	6.70 dB
Insertion Loss, Maximum	7.40 dB
Return Loss	> 55 dB
Wavelength Range	1260-1360 and 1480-1625 nm
Uniformity	1.0
Directivity	> 55 dB
PDL	0.2

## 1x8 and Dual 1x8 Slim Splitter Modules

Module Size	63 mm x 11.5 mm x 125 mm
Insertion Loss, Typical	9.80 dB
Insertion Loss, Maximum	10.50 dB
Return Loss	> 55 dB
Wavelength Range	1260-1360 and 1480-1625 nm
Uniformity	1.0
Directivity	> 55 dB
PDL	0.2

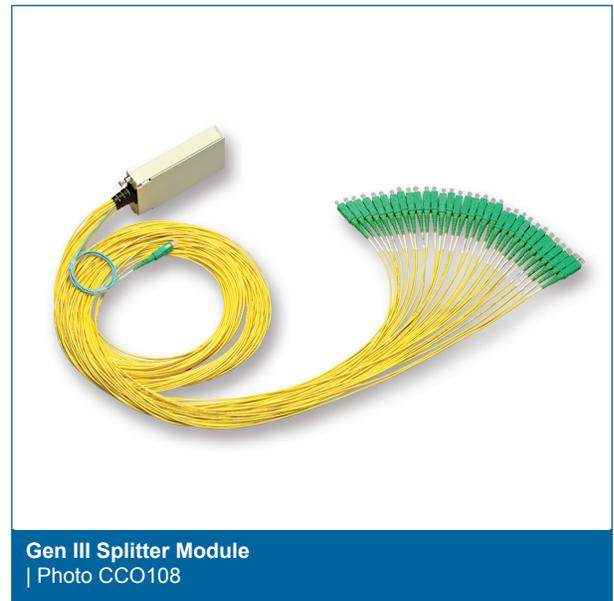
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## General III Splitter Modules

### Features

- First with bend-improved fiber on input and output legs (ITU-T G.657.A compliant)
- Field-proven performance
- GR-1209 and GR-1221 qualified
- GR-326 certified connectors
- Robust housing protects module during installation and throughout product life
- Slim module is half the thickness of a full-size module to maximize terminal density; module is shipped with mounting bracket



Gen III Splitter Module  
| Photo CCO108

## Ordering Information

MDU       6 C -

1
2
3
4
5
6
7

**1** Select input fiber count.

- 00 = Stubless
- 04 = All stubbed configurations

**2** Select input cable length.

- 00 = Stubless
- 31 = 31 m (100 ft)
- 92 = 92 m (300 ft)
- F3 = 150 m (500 ft)
- W5 = 305 m (1000 ft)

**3** Select number of ports.

- 04 = 4 ports
- 08 = 8 ports
- 16 = 16 ports
- 24 = 24 ports
- 32 = 32 ports
- 48 = 48 ports

**4** Select cable type.

- 00 = No input pigtails
- BB = Loose tube pigtails, (stubless version only)
- UF = FREEDM LT indoor/outdoor
- BZ = FR SST flat drop LT
- BF = RPX furcation flat drop ribbon (<18 ft)
- C7 = Ribbon riser

**5** Select splitter module input type.

- 00 = Connectorized to feeder cable (standard)
- 01 = Spliced to feeder stub

**6** Select splitter module type.

- A = 1x32
- D = Dual 1x16
- E = Dual 1x8 slim
- F = 1x8 slim
- H = 1x4 slim
- J = 1x16
- I = Dual 1x4 slim

**7** Select splitter module quantity.

- 1 = 1 splitter module
- 2 = 2 slim splitter modules

# OptiSheath® MDU Splitter Terminal



## Accessories

Part Number	Product Description	Units per Delivery	
MDU-CC-BT-KIT	ClearCurve® Cable 4.8mm Rugged Drop MDU Installation Kit* (quantity for 10 MDU's)	1/1	
MDU-SLACK-KIT	Slack Storage Unit for MDU	1/1	

# OptiSheath® MDU Splitter Terminal

The CORNING logo is displayed in white, uppercase letters within a solid blue square.

## Related Products

**ClearCurve® Drop Cable Assembly**

EVO-786-EN



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